

IEEE ANNUAL AND LONG RANGE PLAN
ALABAMA SECTION
21st Century Plan

2015-2020

Institute Vision

The vision of the Institute of Electrical and Electronics Engineers (IEEE) is to advance global prosperity by fostering technological innovation, enabling members' careers and promoting community world-wide.

Institute Mission

___ The IEEE promotes the engineering process of creating, developing, integrating, sharing, and applying knowledge about electro and information technologies and sciences for the benefit of humanity and the profession.

Institute Purposes

The IEEE purposes are: (a) scientific and educational, directed toward the advancement of the theory and practice of electrical engineering, electronics, radio and the allied branches of engineering and the related arts and sciences; means to these ends include, but are not limited to, the holding of meetings for the reading and discussion of professional papers, and the publication and circulation of works of literature, science and art pertaining thereto; (b) professional, directed toward the advancement of the standing of the members of the professions it serves; means to this end include, but are not limited to, the conduct and publication of surveys and reports on matters of professional concern to the members of such professions, collaboration with public bodies and with other societies for the benefit of the engineering professions as a whole, and the establishment of standards of qualification and ethical conduct. The IEEE shall not engage in collective bargaining on such matters as salaries, wages, benefits, and working conditions, customarily dealt with by labor unions.

The IEEE shall strive to enhance the quality of life for all people throughout the world through the constructive application of technology in its fields of competence. It shall endeavor to promote understanding of the influence of such technology on the public welfare.

Section Mission

The Alabama Section of IEEE promotes the engineering process of creating, developing, integrating, sharing, and applying knowledge about electro and information technologies and sciences for the benefit of humanity, the advancement of the profession, and the well-being of its members.

Section Purpose

The purpose of the Section shall be to promote the principles as outlined in the Constitution and Bylaws of the Institute of Electrical and Electronics Engineers. These purposes include the advancement of the theory and practice of electrical engineering, electronics, computer, radio, allied branches of engineering and of the related arts and sciences, and the maintenance of high professional standards among its members, and shall include such other activities as necessary, suitable, and proper for the fulfillment of its purposes.

Territory Served

The Alabama Section serves the majority of Alabama's territory—46 of Alabama's 67 counties. Territory not covered includes 10 counties surrounding Mobile in the southern part of the state and 11 counties centered on Huntsville in the north.

Stakeholders

These groups and individuals have a stake in the Section and its performance:

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| - Members | - Employers of Members | - IEEE International |
| - Student Members | - College Students | - Engineering Profession |
| - Retired Members | - High School Students | - Public-at-Large |

Continuing Goals

On behalf of our stakeholders, the Alabama Section of IEEE has adopted these goals:

- To serve the needs of attending members by arranging for interesting and informative programs that advance knowledge about electro and information technologies and sciences, and professional interests.
- To seek and successfully attract new members to the Section.
- To encourage capable students to pursue the profession of electrical and electronics engineering, and computer engineering and science.
- To encourage membership participation in volunteer, appointed, and elected offices at the Regional and Institute levels.

- To support and actively encourage registration as a Professional Engineer.
- To provide the opportunity for the professional engineer to accumulate professional development hours by attending technical presentations and programs at the monthly section and affiliated society meetings.
- To promote professionalism within the membership by support of activities such as joint participation with other professional engineering organizations.
- To participate in Regional IEEE activities, such as Southeastcon, and to sponsor such events when feasible.
- To operate the Section within the limits of fiscal responsibility.
- To enhance the quality of life for others by volunteering and supporting constructive application of technology.
- To enhance and maintain public opinion and support of the Section.

Key Strengths/Opportunities of the Section

- The significant number of engineers in the electrical and electronics, computer and information technology fields within the Section's territory.
- Four Universities (Auburn, Alabama, UAB, and Tuskegee) with accredited Electrical Engineering, Computer Engineering and Computer Science programs.
- Dominant industries supporting the Section include Power, Telecommunications, Engineering Consulting and Academia.
- A wide variety of companies within the Section's territory employing electrical and electronics engineers, computer engineers, computer scientists and information technologists.
- A strong tradition of leadership within the Section, which is demonstrated by annually winning the Exemplary Section award.

Potential Weaknesses/Threats to the Section

- The need to attract young engineers and members in the electrical and electronics field throughout the Section's territory.
- The need to attract members into IEEE within the Section's territory in the areas of Computer Engineering, Computer Science and Information Technology.

- The need of goals and objectives that involve more of the membership and that stimulate enthusiasm and loyalty.
- Potential reduction in membership from restructuring and reorganizing of supporting industries.
- Lack of IEEE recognition in all industries.
- The need for more support from employers of the members and potential members to encourage membership, attendance and participation in meetings and Section activities.

Specific Annual Goals – Fiscal Year 2015

Issue A: Meeting Facilities. Procedures, Programs

A major factor in sustaining and growing membership is in conducting meetings in a desirable location, in an efficient and professional manner, and with programs that advance professional and technical interests.

- A-1 Continue to evaluate and test the impact of the meeting place on attendance, support, and enthusiasm of members. Emphasize to the proprietor of the meeting place the need to minimize or eliminate background noise which, when present, diminishes the value and impact of the technical presentation.
- A-2 Conduct Section meetings crisply and efficiently while paying attention to the need of recognizing member accomplishments, recognizing and welcoming guests and new members.
- A-3 Encourage strong Society Chapter meetings, programs and activities which are planned and publicized well in advance.
- A-4 Assure that each person in attendance can easily hear and see each speaker.
- A-5 Survey the membership on specific needs and program interests that would enhance attendance and improve socialization among members.
- A-6 Display professionalism in conducting meetings. Encourage all those having a part on the program to prepare for their role.

Issue B: Section Growth

Section growth is essential to ensuring the ability to continue to serve our profession.

- B-1 Establish an annual growth objective for the Section and display accomplishments toward meeting the goal.
- B-2 Concentrate on broadening the base of membership to the entire electrical and electronic, computer, computer science and information technology industry within our territory. Initiate special efforts to recruit from businesses employing potential members.
- B-3 Charge committee chairmen to lead and utilize their committees to really make a difference in the Section. Challenge committee chairmen to fully utilize the committee members ensuring that they are involved and making a difference.
- B-4 Operate the Section in a financially sound manner that will serve members currently and provide a degree of financial security for the future.
- B-5 Work with employers to gain their active support for the Section, both through financial support and by encouraging employees to join and actively participate in the Section.
- B-6 Support and strengthen ties with the Montgomery Subsection.
- B-7 Establish an objective to increase membership and participation of recent engineering graduates, and support the activities of the GOLD Affinity Group.

Issue C: Service to Members

The Section must serve the needs of members through advancement of technical and professional interests.

- C-1 Actively support and assist members in becoming licensed Professional Engineers.
- C-2 Through the Grade Transfer Committee, seek those who have the potential for upgrading membership, assist in the process and announce successful candidates.
- C-3 Seek those who might be candidates for nomination to Fellow grade and assign sponsor(s) to work with each candidate.

The IEEE grade of Fellow is conferred upon a person of "outstanding and extraordinary qualifications and experience in IEEE designated fields, and who has made important individual contributions to one or more of these fields." Many of our IEEE colleagues are eligible. As a professional community, the section should be proactive in nominating our colleagues for this significant award.

An electronic nomination process has been initiated by IEEE. Nomination information and forms are available on the Web.

- C-4 Encourage and support Section members to seek assignments on the Regional and Institute levels.
- C-5 Encourage members already active at the Institute level to provide feedback to the Section membership.
- C-6 Identify, support and recognize awards based on professional accomplishments.
- C-7 Evaluate and improve the electronic availability of Section information via the Alabama Section Web site.
- C-8 Maintain section and affiliated society attendance records for access by the membership via the Alabama Section Web site (See C-7 for URL address).
- C-9 Provide “Record of Attendance” form at section and affiliated society meetings for use by professional engineers to document the accumulation of professional development hours.

Issue D: Service to Others

- D-1 Assist high school and college students in preparing for a career in electrical and electronics, computer, computer science and information technology engineering.
- D-2 Organize a Section Speaker’s Bureau to promote higher achievement in Math and Sciences and interest in the electrical and electronics, computer, computer science and information technology engineering professions.
- D-3 Seek opportunities to provide service to the community through volunteer applications of technical and professional capabilities.
- D-4 Publish the Internet address for the Alabama Section to the community and encourage the use of the Alabama Section Web site (See C-7 for URL address) for section communications with the community.
- D-5 Monitor and update the content of the Alabama Section Web site (See C-7 for URL address) to ensure the availability of relevant and current information about the Alabama Section.

Issue E: Service to Region and Institute

The Section is encouraged to develop stronger ties with the Region.

- E-1 Evaluate capability of and benefit to Alabama Section to sponsor a future Southeastcon conference.
- E-2 Develop plan, as appropriate, for Alabama Section sponsorship of future Southeastcon conference.
- E-3 Develop Section activities in support of Region goals and activities.
- E-4 Encourage and support Section attendance at the IEEE Sections Congress.
- E-5 Develop Section activities in support of Institute goals and activities.
- E-6 Seek opportunities to increase visibility of Alabama Section strengths and community opportunities to support Region meetings.

Issue F: Service to Alabama Section

- F-1 Develop a plan to accomplish the goals of the current Alabama Section administration.
- F-2 Report results and achievements of the current Alabama Section administration.
- F-3 Utilize the Alabama Section Web site (See C-7 for URL address) to inform the membership of the plan to accomplish the goals of the current Alabama Section administration and to report the results and achievements.

Draft Revision for 2015-2020 business by Section Development Committee:
Steve Daniel – Chair
February 12, 2015